

FIG. 3

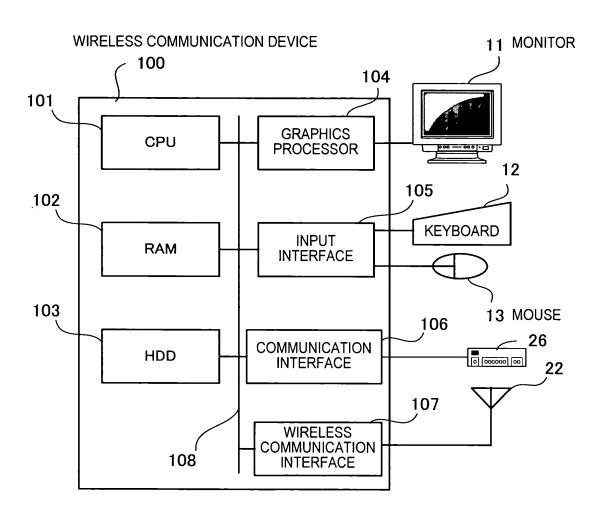
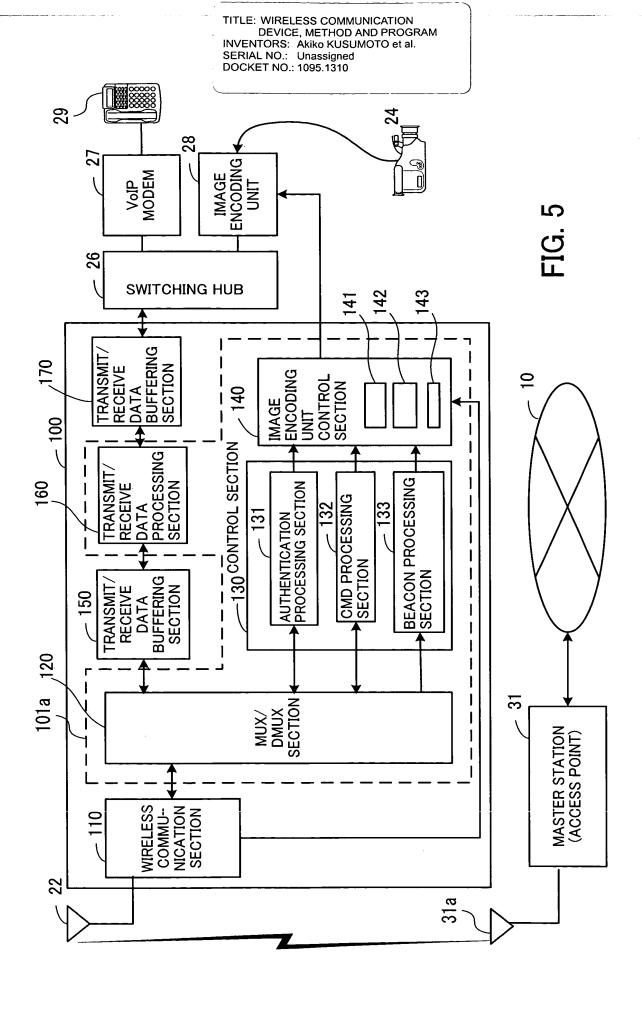


FIG. 4



PROCESSING LOAD AMOUNT-BIT RATE 141 CORRESPONDENCE TABLE

PROCESSING LOAD AMOUNT [%]	OPTIMUM ENCODING BIT RATE [Mbps]
0~12	6.0
12~25	5.0
25~40	4.0
40~55	3.0
55 ~ 75	2.0
75~85	1.0
> 85	0.3

FIG. 6

RECEIVE LEVEL-BIT RATE 142 CORRESPONDENCE TABLE

RECEIVE LEVEL [dBm]	OPTIMUM ENCODING BIT RATE [Mbps]
> -65	6.0
-67∼-65	4.0
-70 ~ -67	3.0
-78 ~ -70	1.0
< -78	0.3

FIG. 7

143 INSTRUCTION SET VALUE TABLE

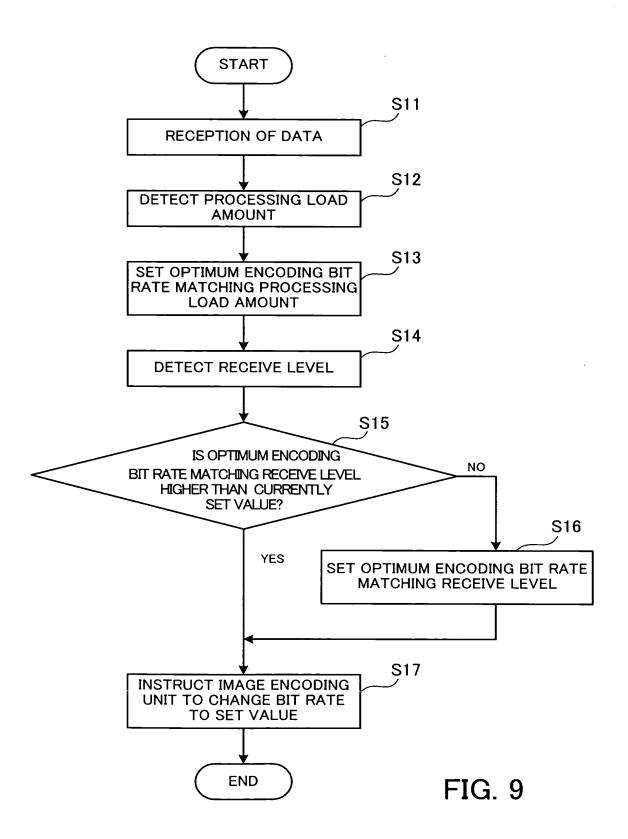
OPTIMUM ENCODING BIT RATE [Mbps]

3.0

FIG. 8

TITLE: WIRELESS COMMUNICATION
DEVICE, METHOD AND PROGRAM
INVENTORS: Akiko KUSUMOTO et al.

SERIAL NO.: Unassigned DOCKET NO.: 1095.1310



RELATIONSHIP BETWEEN PROCESSING LOAD AMOUNT AND OPTIMUM ENCODING BIT RATE PROCESSING LOAD AMOUNT (%) 80

MUMIT90 [adM] TAA

ENCODING BIL

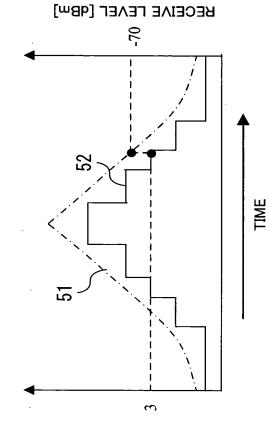
OPTIMUM ENCODING BIT RATE LOGICAL VALUE

OPTIMUM ENCODING BIT RATE SET VALUE

TITLE: WIRELESS COMMUNICATION
DEVICE, METHOD AND PROGRAM
INVENTORS: Akiko KUSUMOTO et al.

INVENTORS: Akiko KUSUMOTO et al. SERIAL NO.: Unassigned DOCKET NO.: 1095.1310





OPTIMUM ENCODING BIT RATE [Mbps]

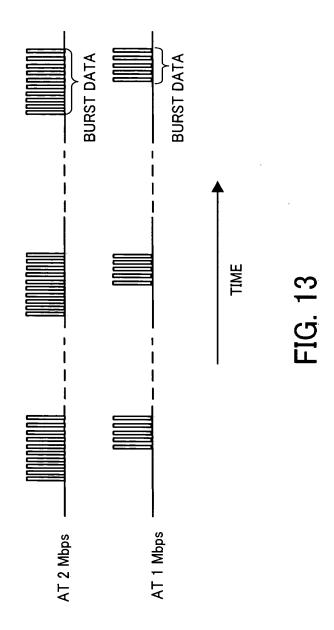
— OPTIMUM ENCODING BIT RATE SET VALUE

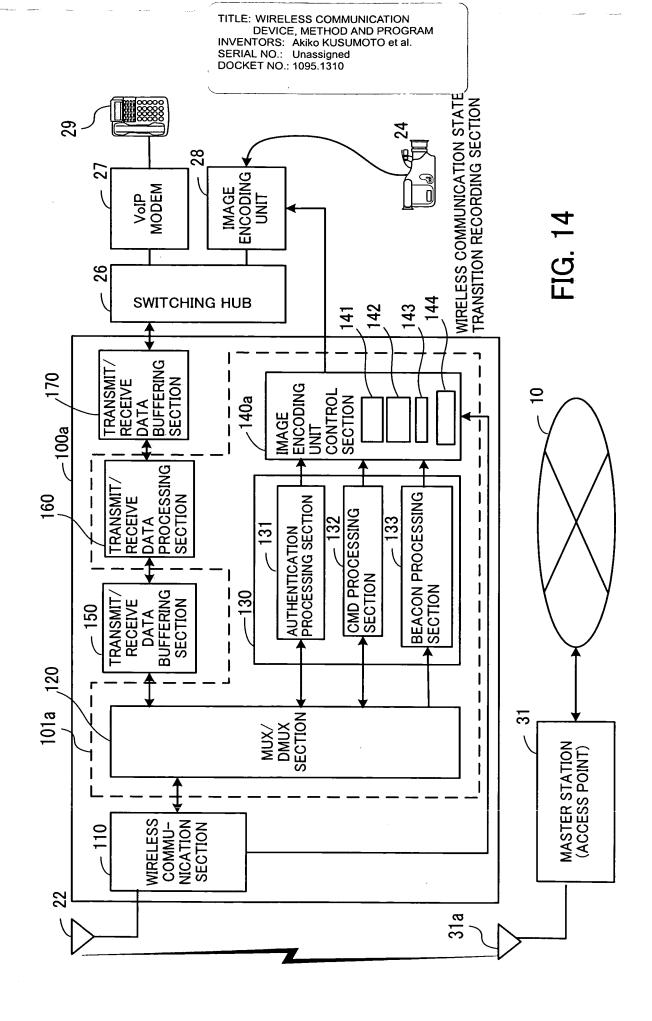
RECEIVE LEVEL

FIG. 11

PROCESS	PROCESSING LOAD AMOUNT	RECEIVE LEVEL	OPTIMUM ENCODING BIT RATE
NORMAL TRANSMISSION	10%	-70dBm	3Mbps
AUTHENTICATION	80%	-70dBm	1Mbps

FIG. 12





144a RECEIVE LEVEL TRANSITION TABLE

(
TIME	RECEIVE LEVEL [dBm]	
N-2	-80	
N-1	-75	
N (CURRENT TIME)	-73	
N+1	-71	

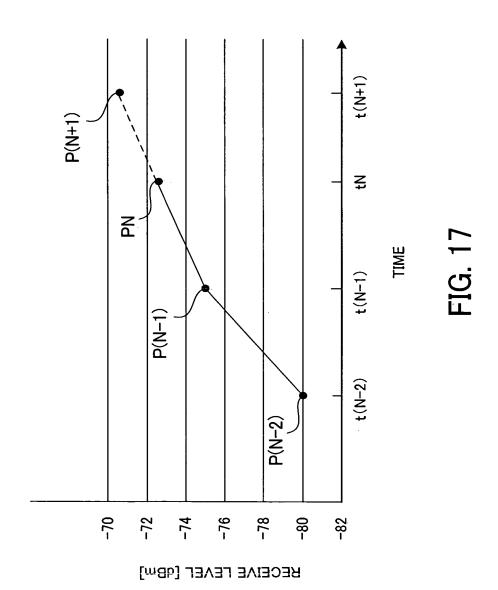
FIG. 15

SERIAL NO.: Unassigned DOCKET NO.: 1095.1310 **START** S21 RECEPTION OF DATA **S22 DETECT PROCESSING LOAD AMOUNT S23** SET OPTIMUM ENCODING BIT RATE MATCHING PROCESSING LOAD AMOUNT **S24** DETECT RECEIVE LEVEL **S25** PREDICT FUTURE RECEIVE LEVEL **S26** REGISTER PREDICTED RECEIVE LEVEL IN RECEIVE LEVEL TRANSITION TABLE **S27** IS OPTIMUM ENCODING NO BIT RATE MATCHING RECEIVE LEVEL HIGHER THAN CURRENTLY **SET VALUE? S28** YES SET OPTIMUM ENCODING BIT RATE MATCHING RECEIVE LEVEL **S29 INSTRUCT IMAGE ENCODING** UNIT TO CHANGE BIT RATE TO SET VALUE FIG. 16 **END**

TITLE: WIRELESS COMMUNICATION

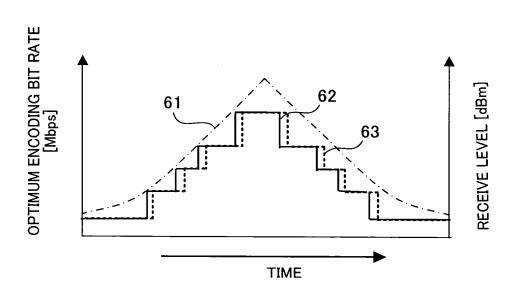
INVENTORS: Akiko KUSUMOTO et al.

DEVICE, METHOD AND PROGRAM



TITLE: WIRELESS COMMUNICATION DEVICE, METHOD AND PROGRAM INVENTORS: Akiko KUSUMOTO et al.

SERIAL NO.: Unassigned DOCKET NO.: 1095.1310



RECEIVE LEVEL

OPTIMUM ENCODING BIT RATE SET VALUE BASED ON PREDICTED

OPTIMUM ENCODING BIT RATE SET VALUE BASED ON ACTUAL MEASURED VALUE OF RECEIVE LEVEL

FIG. 18

INVENTORS: Akiko KUSUMOTO et al. SERIAL NO.: Unassigned DOCKET NO.: 1095.1310 IMAGE ENCODING UNIT VoIP MODEM FIG. 19 26 **SWITCHING HUB** 143 141 DATA BUFFERING SECTION **TRANSMIT**, 170 RECEIVE ENCODING CONTROL SECTION 9 140b IMAGE -100b 130b CONTROL SECTION TRANSMIT/ RECEIVE DATA PROCESSING SECTION BEACON CRC PROCESSING SECTION 160 AUTHENTICATION PROCESSING SECTION CMD PROCESSING SECTION 134 32 RECEIVE DATA BUFFERING SECTION **FRANSMIT** 150 120 101a MUX/ DMUX SECTION 31 MASTER STATION (ACCESS POINT) **WIRELESS** NICATION COMMU-SECTION 22 31a

TITLE: WIRELESS COMMUNICATION DEVICE, METHOD AND PROGRAM

